<110> Achilefu, Samuel I.

Rajagopalan, Raghavan
Dorshow, Richard B.
Bugaj, Joseph E.

Mallinckrodt Inc.

<120> Receptor-Avid Exogenous Optical Contrast and Therapeutic Agents

<130> MRD-64

<140> US 09/484,322
<141> 2000-01-18

<150> US 09/864,011
<151> 2001-05-23

<160> 8

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES_
<222> (1)...(7)
<223> Xaa at location 1 represents D-Phe.
<223> Xaa at locations 2 and 7 represents Cys with an intramolecular disulfide bond between two Cys amino acids.

<223> Xaa at location 4 represents D-Trp.

<400> 1
Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
1 5

<210> 2
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(8)
<223> Xaa at location 1 represents D-Phe.
<223> Xaa at locations 2 and 7 represents Cys with an intramolecular disulfide bond between two Cys amino acids.
<223> Xaa at location 4 represents D-Trp.
<223> Xaa at location 8 represents Thr-OH.

<400> 2
Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
1 5

<210> 3
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(0)

<400> 3
Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 4
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(0)

<400> 4
Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 5
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(0)

<400> 5
Asp Tyr Met Gly Trp Met Asp Phe
1 5

<210> 6
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(6)
<223> Xaa at locations 3 and 6 represents Norleucine.

<400> 6

Asp Tyr Xaa Gly Trp Xaa Asp Phe
1 5

<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(6)
<223> Xaa at location 1 represents D-Asp.
<223> Xaa at locations 3 and 6 represents Norleucine.

<400> 7
Xaa Tyr Xaa Gly Trp Xaa Asp Phe
1 5

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(1)
<223> Xaa at location 1 represents D-Lys.

<400> 8
Xaa Pro Arg Arg Pro Tyr Ile Leu
1 5